Module 1 Structure (450 Points)

Goal of Module 1

In this module, students learn the following:

1. REST API Implementation

2. Server Side Security

3. Deployment

Module 1 Components

Project (200 Points)

Students implement a REST API Server using PHP and MySQL database.

1. The Server is written in PHP.

2. The server uses a MySQL database.

3. The server provides REST API services.

4. The server supports secure access.

5. The server can be deployed to real-world servers.

Two Homework Assignments (100 Points)

- At HW2, Students make ready for the Project (50 Points).

- At HW3, Students answer questions in the `questions` directory. (50 points)

  - Use VSCode/Marp to read questions and answer them.

Midterm (150 Points)

Most midterm questions are modifications of HW3.

Module 1 - REST API Servers

Testing Project 1 Topics

Project 1
1. REST API
2. Security
3. NGINX Deploy
(200 pts)

Midterm 1
Module 1 Topics
(150 pts)

HW2
Plan Project 1
(50 pts)

HW3
Plactice Module 1
(50 pts)

Making ready for Project 1

Learning Project 1 Topics by Doing

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